

IN THE CLAIMS

1. (currently amended) A three-dimensional image-capturing apparatus comprising:
a single solid-state image-sensing device having a plurality of image capturing regions,
each image capture region simultaneously captures a different image on the single solid-state
image-sensing device;

a plurality of optical systems for forming a different image of a subject in each image-
capturing region, each one of the optical systems corresponding to a different one of the image-
capturing regions, each optical system having:

an imaging-side reflection means located in front of the corresponding image-
capturing region and directed in an obliquely outward direction;

a subject-side reflection means located outward from said imaging-side reflection
means and directed in an obliquely inward direction;

a lens provided in an optical path between said imaging-side reflection means and
said single solid-state image-sensing device~~to be closer to said single solid-state image-sensing~~
~~device than said imaging-side reflection means;~~ and

a light-limiting means provided in an optical path between said imaging-side
reflection means and said lens~~imaging-side reflection means and said corresponding image-~~
~~capturing region~~, the light-limiting means preventing incidence of flux of ambient light other than
from rays forming each image of said subject; and

an infrared cut filter provided in an optical path between said lens and said single
solid-state image-sensing device; and

a light-shielding means provided normal to the single solid-state image-sensing device
and at least between the single solid-state image-sensing device and the imaging-side reflection
means so as to prevent optical cross talk between the optical systems,

wherein the optical systems are used to form, in the corresponding image-capturing
regions, separate and different images of said subject which are captured from different
viewpoints having a distance therebetween.

2. (currently amended) A stereo-camera recording/reproducing system comprising:
a single solid-state image-sensing device having a plurality of image capturing regions,
each image capture region simultaneously captures a different image on the single solid-state
image-sensing device;

a plurality of optical systems for forming a different image of a subject in each image-capturing region, each one of the optical systems corresponding to a different one of the image-capturing regions, each optical system having:

an imaging-side reflection means located in front of the corresponding image-capturing region and directed in an obliquely outward direction;

a subject-side reflection means located outward from said imaging-side reflection means and directed in an obliquely inward direction;

a lens provided in an optical path between said imaging-side reflection means and said single solid-state image-sensing device~~to be closer to said single solid-state image-sensing device than said imaging-side reflection means~~; and

a light-limiting means provided in an optical path between said imaging-side reflection means and said lens~~imaging-side reflection means and said corresponding image-capturing region~~, the light-limiting means preventing incidence of flux of ambient light other than from rays forming each image of said subject; and

an infrared cut filter provided in an optical path between said lens and said single solid-state image-sensing device; and

a light-shielding means provided normal to the single solid-state image-sensing device and at least between the single solid-state image-sensing device and the imaging-side reflection means so as to prevent optical cross talk between the optical systems,

wherein the optical systems are used to form, in the corresponding image-capturing regions, separate and different images of said subject which are captured from different viewpoints having a distance therebetween.

3-4. (canceled).

5. (previously presented) A three-dimensional image-capturing apparatus according to Claim 1, further comprising a signal processing means for dividing a video signal from said single solid-state image-sensing device into video signals representing the different images of said subject captured in the image-capturing regions for capturing images of said subject from the different viewpoints.

6. (original) A three-dimensional image-capturing apparatus according to Claim 1, wherein parallax which is the distance between the viewpoints is one centimeter or greater.

7. (canceled).